

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number
WO 2004/060574 A1

(51) International Patent Classification⁷: **B05B 7/24**

55125 (US). SILTBERG, Daniel, E. [US/US]; 5410 Portland Avenue, White Bear Township, MN 55110 (US).

(21) International Application Number:
PCT/US2003/033855

(74) Agents: PRIBNOW, Scott, R. et al.; Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(22) International Filing Date: 27 October 2003 (27.10.2003)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
0229401.5 18 December 2002 (18.12.2002) GB

(71) Applicant (*for all designated States except US*): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

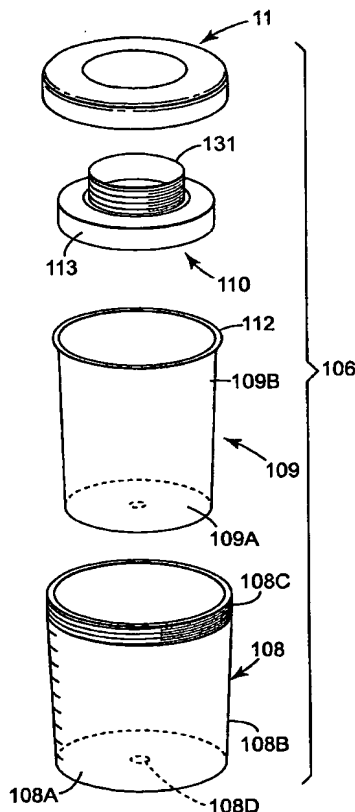
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): JOSEPH, Stephen C., P. [GB/US]; 9231 Cambridge Road, Woodbury, MN

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: SPRAY GUN RESERVOIR WITH OVERSIZE, FAST-FILL OPENING



(57) Abstract: A spray gun reservoir has an oversize central opening 130 at one end allowing liquid to be added to the reservoir for fast filling with reduced risk of spillage. A cap member 132 is connectable to the reservoir and has a spout 115 providing a fluid outlet of reduced size relative to the opening 130 for connection to the spray gun. The reservoir can be disconnected from the cap member 132 when it is desired to add liquid to the reservoir. In this way, the reservoir can be re-filled in use.